

2011 Fire Season GIS Fire Perimeter Upload Instructions

The screenshot displays the 'Fire Perimeter Upload' web application. The interface includes a top navigation bar with links like 'Tool and Button Help', 'GIS Tutorial', 'Projection', 'Disclaimer', 'WMS Feeds', 'Close Window', and 'Debug'. Below this is a menu bar with options: 'Index Map', 'Legend', 'Select', 'Find Location', 'Layers', 'Create PDF Map', and 'Upload Fire Perimeter'. The main map area shows a map of Alaska with various fire perimeters outlined in blue. A mouse cursor is positioned over the map. To the right of the map is a sidebar with the title 'Fire Perimeter Upload Instructions'. It contains a section titled 'Upload Fire Perimeter Shape File' with four file upload fields: 'Shapefile Attribute File (.dbf):', 'Shapefile Projection File (.prj):', 'Shapefile Spatial File (.shp):', and 'Shapefile Spatial Index File (.shx):'. Each field has a 'Browse...' button. Below these fields is a button labeled 'Add Fire Perimeter Shape File to Map'. Another section titled 'Draw Fire Perimeter' provides instructions on how to add a perimeter using the polygon markup tool, including steps to 'Find All Fires' and 'Save Polygon Markup as Perimeter'. At the bottom of the interface, there is a status bar showing 'Cursor Location:', 'Scale: 1: 6,494,245', a 'GO' button, 'Quick View: Select a location', and a 'Map Tool: Zoom In' button.

Alaska Interagency Coordination Center

Tool and Button Help | GIS Tutorial | Projection | Disclaimer | WMS Feeds | Close Window | Debug

Index Map | Legend | Select | Find Location | Layers | Create PDF Map | Upload Fire Perimeter

Fire Perimeter Upload Instructions

These actions only add the perimeter to the display, not to the database.

Upload Fire Perimeter Shape File

Shapefile Attribute File (.dbf): Browse...

Shapefile Projection File (.prj): Browse...

Shapefile Spatial File (.shp): Browse...

Shapefile Spatial Index File (.shx): Browse...

Add Fire Perimeter Shape File to Map

Draw Fire Perimeter

To add Markup as a perimeter:

Sketch one polygon as the fire perimeter using the polygon markup tool. Zoom to the fire before beginning markup using [Find All Fires](#) and/or [Find All Fires](#) and/or [Find All Fires](#) then polygon markup [Find All Fires](#)

After completing the Perimeter, remember to add the markup to the map by pressing OK.

Click the "Upload Fire Perimeter" tab. Then press the "Save Polygon Markup as Fire Perimeter" button.

The rest of the process is the same as shape file perimeter submission.

Save Polygon Markup as Perimeter

Complex polygons (interior unburned areas) and multiple part polygons (fires with spot fires) are not possible with this method.

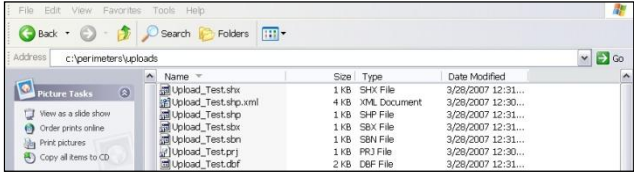
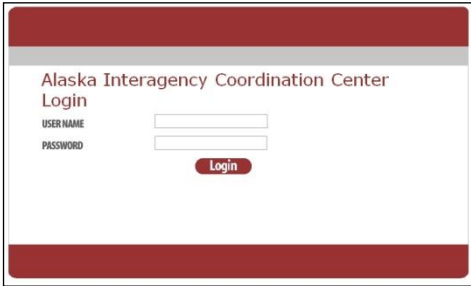
Cursor Location: Scale: 1: 6,494,245 GO Quick View: Select a location Map Tool: Zoom In

FIRE PERIMETER UPLOAD PROCESS

GENERAL STEPS TO UPLOAD FIRE PERIMETERS

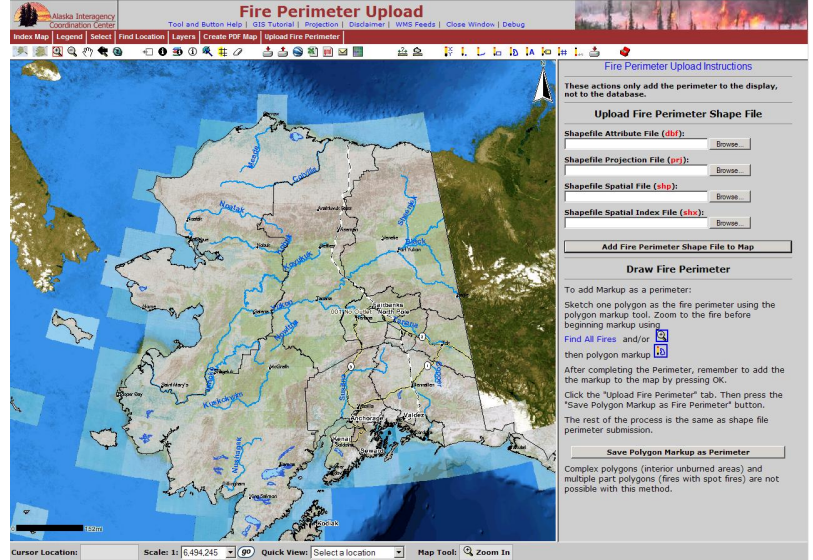
1. Establish a login account with AICC GIS group.
2. Know where the shapefile is stored on your computer or be prepared to draw the perimeter on the mapping site.
3. Login to the fire perimeter upload site.
4. Add your shape file to the perimeter upload form or draw the fire perimeter.
5. Review your shape file or drawn fire perimeter on the map to ensure data quality.
6. Assign your perimeter to a fire record.
7. Provide perimeter collection date and time, and optional collection information.
8. Submit your perimeter to the upload site.
9. After AICC processes your shape file it will become viewable to the public on the AICC Fire information web-site within 24 hours.

The first three steps apply no matter how you are submitting a fire perimeter.

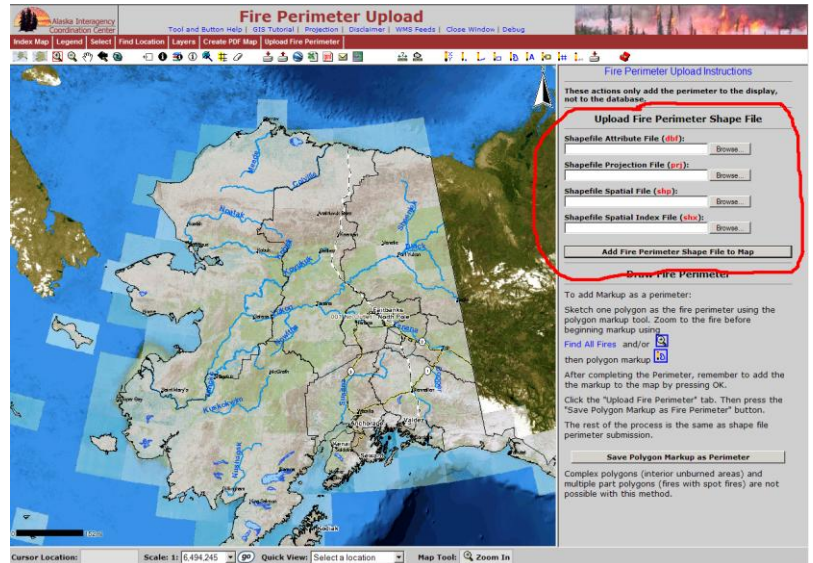
<p>1. Only AWFCG cooperating agencies may upload fire perimeters to the upload site. If you represent an AWFCG agency, and do not already have a login, contact one of the AICC Perimeter Upload Site Support Contacts listed at the right.</p>	<p><u>Fire Perimeter Upload Site Support Contacts:</u></p> <ul style="list-style-type: none"> • Gary Schmunk (IT Specialist) Phone: (907) 356-5593 E-Mail: gschmunk@blm.gov • Hilary Rigby (GIS Specialist) Phone: (907) 356-5587 E-Mail: hrigby@blm.gov
<p>2. Know where the shapefile is stored on your computer or be prepared to draw the perimeter on the mapping site.</p> <p>The fire perimeter must be a full perimeter. Please do not submit partial fire perimeters.</p>	
<p>3. Use a web browser and go to the AICC Perimeter Upload Site. A login prompt like the one shown should prompt you for a user name and a password.</p>	

FIRE PERIMETER UPLOAD PROCESS

4. If you are submitting a previously generated shapefile then perform steps 5 and 6. If you intend to draw the fire perimeter then proceed to step 7.



5. Browse to the shape file you are submitting and attach all the associated files requested on the form (.dbf, .prj, .shp and .shx).



FIRE PERIMETER UPLOAD PROCESS

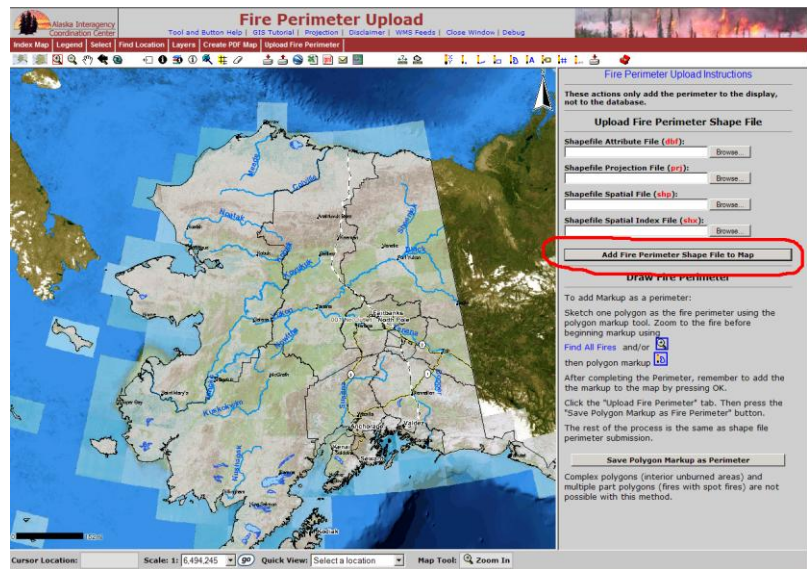
6. Press “Add Fire Perimeter Shape File to Map” to view the perimeter on a map.

Note: Pressing the “Add Fire Perimeter Shape File to Map” button does not submit it to the site. Submitting the perimeter to the site will occur only when the “Submit Fire Perimeter” button is pressed (in step 19).

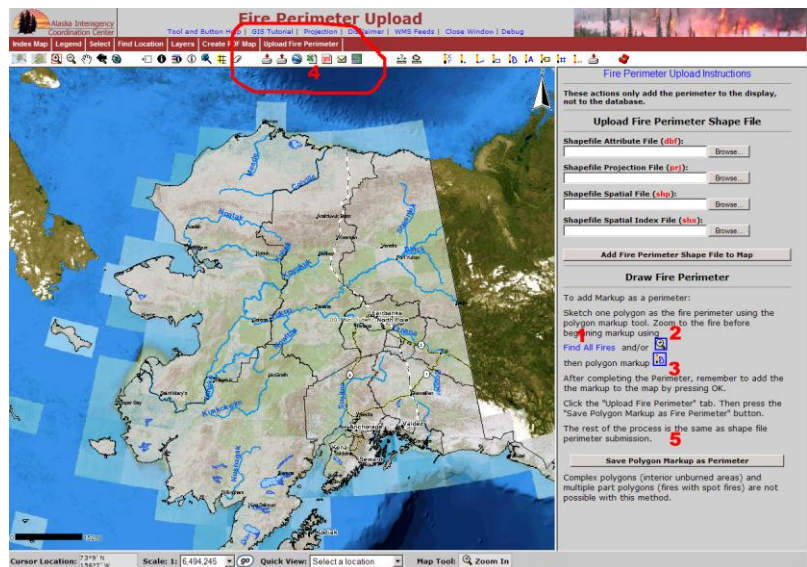
If the shape file has more than one polygon or is not a polygon file an error will be displayed.

If file types are incorrect, or if they do not match the shape file base name, an error message will be displayed. If this happens, select the correct file(s) and press “Add Fire Perimeter Shape File to Map” button again.

Proceed to step 11.



7. In order to successfully draw a fire perimeter you must zoom the map to a size appropriate for drawing the complete fire perimeter. You can do this with the [Find All Fires](#) (1) tool or the [Zoom](#) tool (2). Draw the Fire Perimeter using the [Polygon Markup](#) (3) tool.

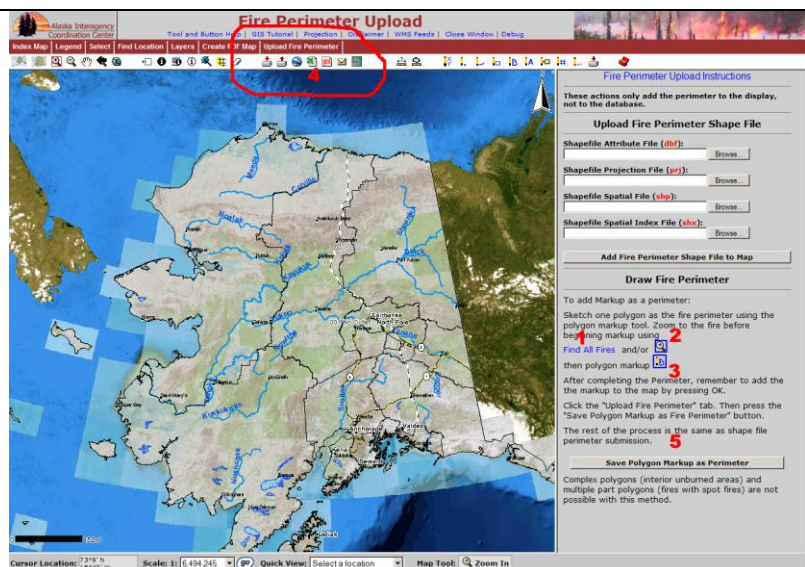


FIRE PERIMETER UPLOAD PROCESS

8.	After drawing the fire perimeter, remember to press the OK button to save the markup. The OK and edit control buttons won't appear until the first point is marked on the Fire Perimeter.	<div data-bbox="678 205 1127 247">Polygon Markup Tool</div> <hr/> <div data-bbox="678 268 1365 338">3 points recorded. Click the map to add more points to the polygon, or click the OK button if you are finished drawing your polygon.</div> <div data-bbox="678 352 1170 378">To restart the polygon, click the Clear button.</div> <div data-bbox="802 394 1243 432"> <div data-bbox="802 394 850 432">OK</div> <div data-bbox="867 394 948 432">Clear</div> <div data-bbox="964 394 1243 432">Delete Last Point</div> </div>
9.	Select how the markup will be displayed on the map. The default values work fine. Press the OK button in this screen.	<div data-bbox="678 516 1005 558">Markup Symbol</div> <hr/> <div data-bbox="678 592 1328 621">Choose the symbol used for your markup geometry.</div> <div data-bbox="980 642 1094 672">Fill type:</div> <div data-bbox="899 672 1179 709"> <div data-bbox="899 672 1143 709">solid</div> <div data-bbox="1143 672 1179 709">▼</div> </div> <div data-bbox="837 751 1235 781">Fill interval for non-solid types:</div> <div data-bbox="964 781 1114 819"> <div data-bbox="964 781 1078 819">6 pixels</div> <div data-bbox="1078 781 1114 819">▼</div> </div> <div data-bbox="980 861 1094 890">Fill color:</div> <div data-bbox="964 890 1114 928"> <div data-bbox="964 890 1078 928">blue</div> <div data-bbox="1078 890 1114 928">▼</div> </div> <div data-bbox="925 970 1148 999">Fill transparency:</div> <div data-bbox="907 999 1166 1037"> <div data-bbox="907 999 1127 1037">70% transparent</div> <div data-bbox="1127 999 1166 1037">▼</div> </div> <div data-bbox="938 1079 1138 1108">Boundary color:</div> <div data-bbox="964 1108 1114 1146"> <div data-bbox="964 1108 1078 1146">black</div> <div data-bbox="1078 1108 1114 1146">▼</div> </div> <div data-bbox="935 1188 1141 1218">Boundary width:</div> <div data-bbox="964 1218 1114 1255"> <div data-bbox="964 1218 1078 1255">1 pixel</div> <div data-bbox="1078 1218 1114 1255">▼</div> </div> <div data-bbox="1013 1289 1062 1327">OK</div>

FIRE PERIMETER UPLOAD PROCESS

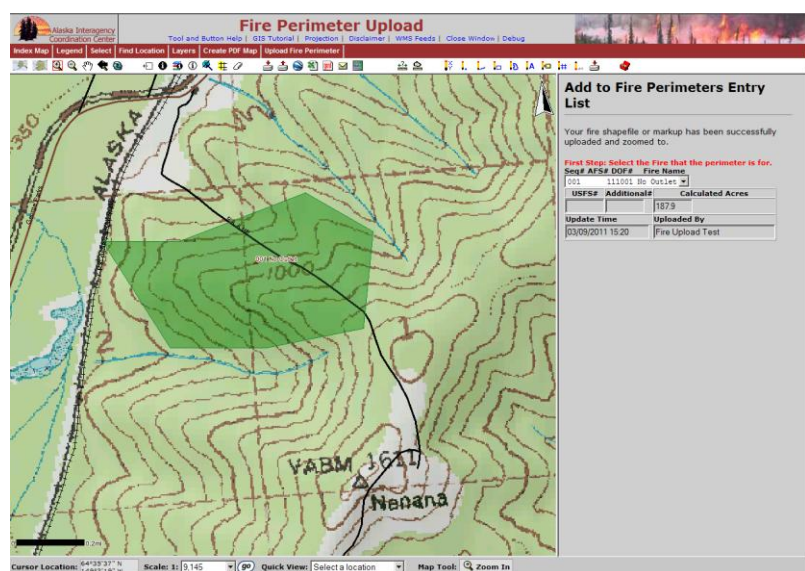
10. Click the Upload Fire Perimeter tab (4). Then press the [Save Polygon Markup as Perimeter](#) Button (5). Proceed to step 11.



11. If the shape file was successfully added in step 5 and 6 or the drawing is completed in steps 7, 8, 9, and 10 the map extent will automatically zoom to the fire perimeter area.

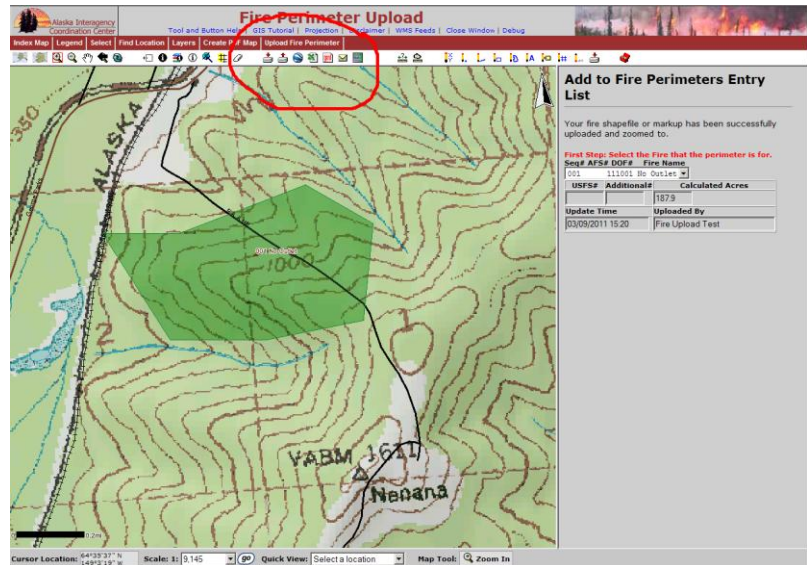
Visually inspect the map details and confirm the perimeter is the one you want to upload.

Proceed to step 12.



FIRE PERIMETER UPLOAD PROCESS

- 12 If the perimeter is not correct, use the “Upload Fire Perimeter” tab to go back to the “Upload Fire Perimeter” page (step 4 or 7 above) and add the correct shape file or redraw the fire perimeter. At this point in the process the uploaded or drawn perimeter has been added to the map as a shape file. The display of the loaded fire perimeter can be turned off from the Layers tab if you wish to start again.



- 13 If the perimeter is correct, the next step is assign the fire perimeter to a fire. Select the correct fire from the drop-down list in the area to the right of the map.
- Once a fire has been selected, the form will expand to include more fillable fields.

Add to Fire Perimeters Entry List

Your fire shapefile or markup has been successfully uploaded and zoomed to.

First Step: Select the Fire that the perimeter is for.

Seq# AFS# DOF# Fire Name

001 111001 No Outlet

Seq#	AFS#	DOF#	Fire Name
001	111001	No Outlet	

USFS#	Additional#	Calculated Acres
		286.1

Update Time	Uploaded By
03/10/2011 08:03	Fire Upload Test

FIRE PERIMETER UPLOAD PROCESS

14. Provide Contact Information and the Date/Time the perimeter was collected. Do not use the Date/Time the perimeter is being submitted. This information is required.

a) The “Contact Field” will auto-populate if the user name contact information is known. You will need to type in this information before submitting the perimeter if contact information is missing.

b) Assign a date and time when the fire perimeter was collected.

Add to Fire Perimeters Entry List

Your fire shapefile or markup has been successfully uploaded and zoomed to.

First Step: Select the Fire that the perimeter is for.

Seq# AFS# DOF# Fire Name

001 111001 No Outlet

USFS#	Additional#	Calculated Acres
		286.1
Update Time		Uploaded By
03/10/2011 08:03		Fire Upload Test

Second Step: Provide email address and/or phone number and Set the Collection Date and Time of the perimeter.

Contact Information (required)

gschmunk@blm.gov, Phone: 907-356-5593

Perimeter Date (required)

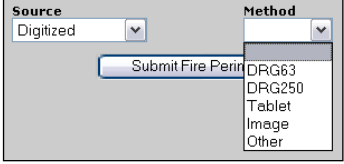
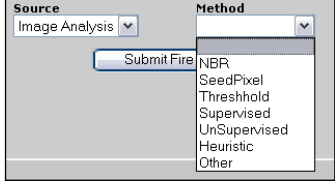

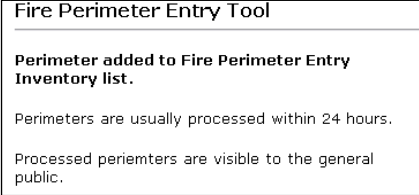
Time (required)

Mar 10 2011

FIRE PERIMETER UPLOAD PROCESS

15	<p>Fill in the optional information about the fire perimeter only if you know it. Leave these fields blank if this information is not known.</p> <p>If the perimeter was used for the final fire report, use the checkbox to flag the perimeter with this information.</p> <p>If needed, use the space provided for additional comments regarding perimeter collection. This might include a narrative of the collection method or source or the person responsible for collecting or supplying the perimeter.</p> <p>If you know the data collection source and method, select them from the dropdown lists. See below for Source and Method descriptions.</p>	<div><h2>Add to Fire Perimeters Entry List</h2><p>Your fire shapefile or markup has been successfully uploaded and zoomed to.</p><p>First Step: Select the Fire that the perimeter is for.</p><table><tr><th>Seq#</th><th>AFS#</th><th>DOF#</th><th>Fire Name</th></tr><tr><td>001</td><td>111001</td><td>No Outlet</td><td></td></tr></table><table><tr><th>USFS#</th><th>Additional#</th><th>Calculated Acres</th></tr><tr><td></td><td></td><td>187.9</td></tr><tr><th colspan="2">Update Time</th><th>Uploaded By</th></tr><tr><td colspan="2">03/09/2011 15:20</td><td>Fire Upload Test</td></tr></table><p>Second Step: Provide email address and/or phone number and Set the Collection Date and Time of the perimeter.</p><p>Contact Information (required)</p><p>gschmunk@blm.gov, Phone: 907-356-5593</p><p>Perimeter Date (required) Time (required)</p><p>Mar 9 2011 16:00</p><p>Third Step: Fill in Optional Information.</p><p><input type="checkbox"/> Perimeter Is Used For Final Fire Report</p><p>Comments About How The Perimeter Was Collected</p><div></div><p>Source Method</p><div></div><p>Submit Fire Perimeter</p></div>	Seq#	AFS#	DOF#	Fire Name	001	111001	No Outlet		USFS#	Additional#	Calculated Acres			187.9	Update Time		Uploaded By	03/09/2011 15:20		Fire Upload Test
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16	<p><u>GPS and Differential GPS</u></p> <p>If the perimeter was collected by GPS or Differential GPS, select the method by which the GPS was operated during perimeter collection.</p>	<div><table><tr><th>Source</th><th>Method</th></tr><tr><td>GPS</td><td></td></tr><tr><td colspan="2">Submit Fire Perimeter</td></tr><tr><td></td><td>Fixed Wing Helicopter ATV Foot Other</td></tr></table></div>	Source	Method	GPS		Submit Fire Perimeter			Fixed Wing Helicopter ATV Foot Other												
Source	Method																					
GPS																						
Submit Fire Perimeter																						
	Fixed Wing Helicopter ATV Foot Other																					

FIRE PERIMETER UPLOAD PROCESS

17	<p><u>Digitized</u></p> <p>If the perimeter was digitized, use the Method dropdown list to identify how it was digitized. For example, if it was “head-up digitized” from a Inch To The Mile DRG, select DRG63. If it was from a GEOTIFF image, select Image.</p>	
18	<p><u>Image Analysis</u></p> <p>If the perimeter was collected using image analysis, select the method used that describes the type of image analysis.</p>	
19	<p>Once all the information has been entered, press the “Submit Fire Perimeter” button. This will submit the perimeter to the site.</p> <p>Note: There is no “Undo” option for this step, so be sure all information is correct before pressing the “Submit Fire Perimeter” button.</p>	
20	<p>An error message will appear if there was a problem with the perimeter submitted.</p> <p>A successful upload will display a message stating the perimeter has been added to the Fire Perimeter Entry Inventory. This will be your only confirmation that the perimeter has been uploaded to the site.</p>	

FIRE PERIMETER UPLOAD PROCESS

21. The AICC/AFS GIS Group will perform a quality control check on the submitted perimeter. If no errors are detected, it will be made viewable to the public within 24-hours from submittal.

Uploaded perimeters waiting to be quality checked but not available to the public will be immediately viewable through the Perimeter Upload site.

Perimeters that have been processed will be viewable through the Upload Site and the AICC public web-site.

[AICC Fire Mapping Site](#)

